

**IN THE SPECIFICATION**

**Please delete the paragraphs beginning on page 2, line 11, starting with and including the heading, Summary of the Invention, through page 2, line 23, before the heading Brief Description of the Drawings.**

**Please insert the following paragraphs beginning on page 3, line 16 before the current paragraph beginning on page 3, line 16:**

A conductive system and a method of forming an insulator for use in the conductive system are disclosed. The conductive system comprises a foamed polymer layer formed on a substrate. The foamed polymer layer has a surface that is hydrophobic. A plurality of conductive structures is embedded in the foamed polymer layer.

An insulator is formed by forming a polymer layer having a thickness on a substrate. The polymer layer is foamed to form a foamed polymer layer having a surface and a foamed polymer layer thickness, which is greater than the thickness of the polymer layer. The surface of the foamed polymer layer is treated to make the surface hydrophobic.